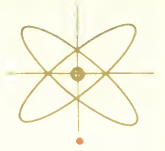
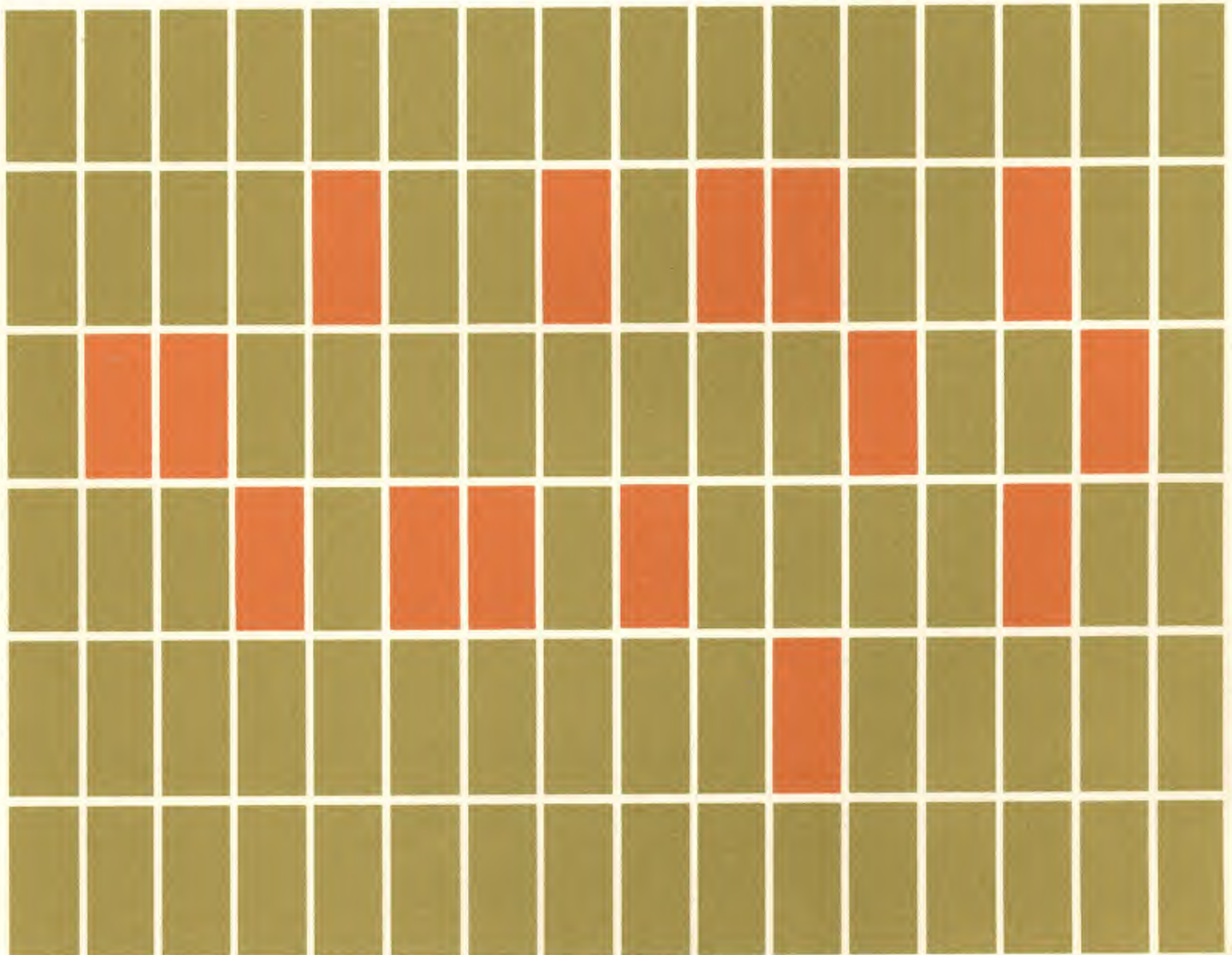


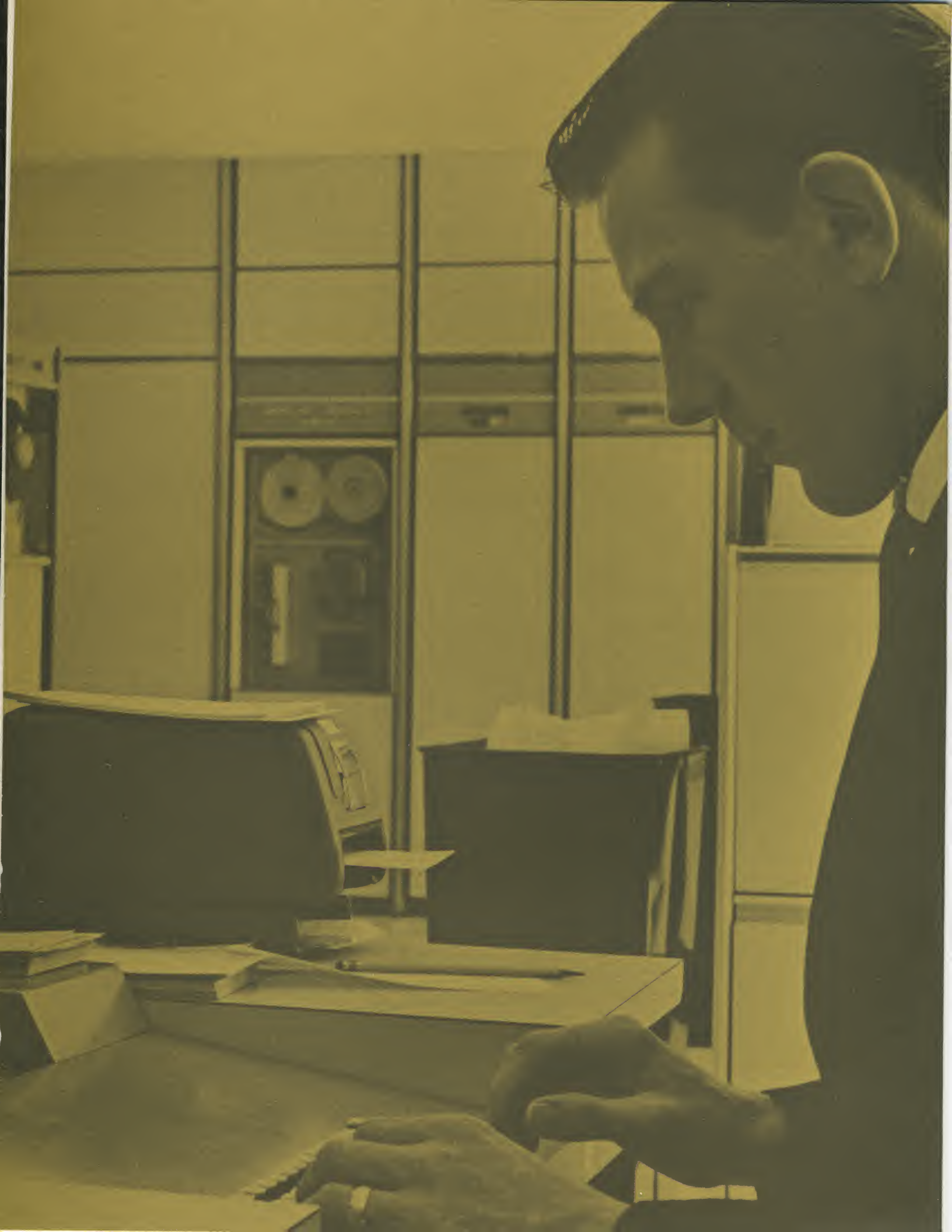
REMOTE DATA-LINE CONTROL SYSTEM



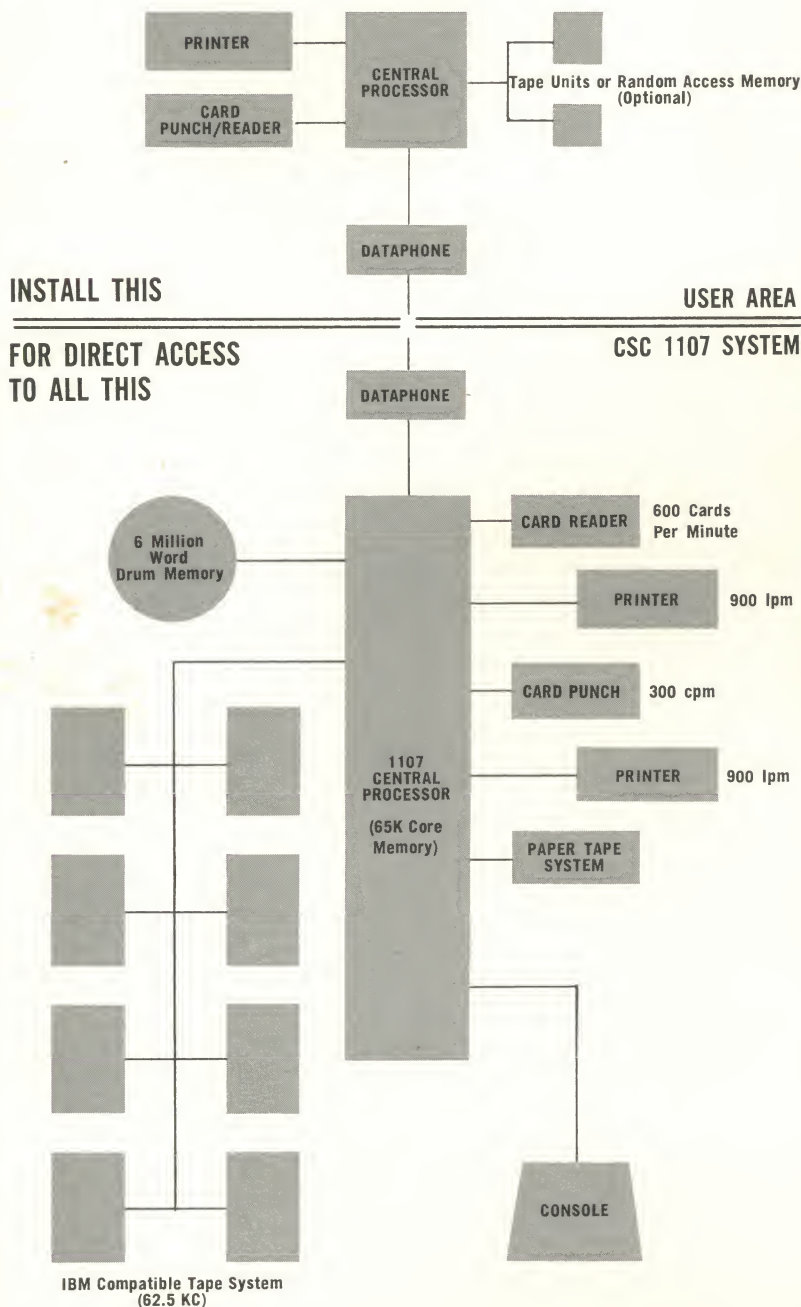
COMPUTER SCIENCES CORPORATION



NOW



AT THE CSC SERVICE BUREAU



Direct on-line communication with CSC's UNIVAC 1107 computer is now available to business and scientific users throughout the country. CSC feels that no other event in recent times will have had the impact on the computing profession as this introduction of remote on-line access to a large machine. In effect, the remote communication concept brings the power and economy of a large computing system within the budget of every organization in the country—to be used only when needed and to be paid for only as used. Turn-around measured in minutes and costs measured in tens of dollars are now no farther away than the telephone.

HOW IT WORKS Users need only install a self-contained card processor such as the UNIVAC 1004 or IBM 1974 as an input/output station, together with a Dataphone transmission device available from all local telephone companies. CSC's remote data-line control system permits the use of any one of several such processors. All necessary control panel wiring diagrams, operating instructions, and system requirements are supplied by CSC.

Basically, the system ties into the CSC-developed 1107 Monitor, which in turn provides the industry's most efficient programming system for a large scale computer, including FORTRAN IV and COBOL processors, a SLEUTH II assembler, a highly advanced Linear Programming system, and a variety of mathematical and utility routines.

Customers utilize their satellite equipment to transmit card images via Dataphone directly onto the 1107 drum. Output from the 1107 is from the drum via the same communication equipment to the user's processor. Main frame 1107 time is not used during the transfers; the monitor signals the operator's console when it has completed an input operation or is ready to commence an output operation. In either case a manual response on the console typewriter causes the system to either start processing data or release output to the data-line.

All results of 1107 computations are available to users immediately upon completion of transmission to their processors. CSC's 1107 accounting system provides users with an immediate summary of time expended, translatable into real dollar values, upon completion of each job.

ADVANTAGES TO YOU The CSC concept provides users with an operating environment exactly identical to that within the computer room of a modern service bureau, at drastically reduced costs. Because of peaks and valleys in workload, most firms of moderate size could not possibly justify the installation of a large scale computer approximating the low dollar-per-solution level of the 1107. Installation of a less efficient computer simply compounds the problem because of increased time required for solution of complex problems, high installation costs, and profitless overhead.

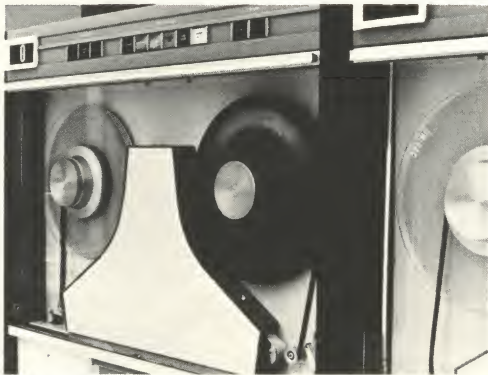
The 1107's integrated hardware/software package eliminates the setup and loading times associated with magnetic-tape-oriented systems, and includes an assembly system and compilers incorporating features at the forefront of the computational state-of-the-art. For example, the FORTRAN IV compiler converts source programs to object code at a speed several times as fast as comparable machines, yet produces an extremely efficient object code; the compiler also produces extensive diagnostics during compilation listing, together with assembly and object codes and source statements, all indexed for easy reference.

Naturally, the user's processor is available for normal jobs when not being used as a data-link.

HOW TO LEARN MORE CSC has recently published an information manual describing its remote data-line control system for the UNIVAC 1107. To obtain a copy of this manual, contact:

Daniel Mason
Manager, Service Bureau Division
650 North Sepulveda Boulevard
El Segundo, California 90245

Mr. Mason will also be happy to discuss potential applications with you or your staff at your convenience, or to arrange for a demonstration of the system at one of the several installations which have found this service to be uniquely profitable.





COMPUTER SCIENCES CORPORATION
650 N. SEPULVEDA BLVD.
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